

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 1    | ("6747992").PN.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2008/02/18 13:35 |
| L2    | 1    | ("6449316").PN.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2008/02/18 13:46 |
| L3    | 4    | ((FEXT or far end cross talk) near3 (bitrate or rate)) with (determin\$3 or calculat\$3) with ((NEXT or "near" end cross talk) near3 (bitrate or rate))                                    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/18 13:55 |
| S1    | 3709 | (latency or delay) and (noise (phase or signal)) and (bit rate or bitrate or data rate or transfer rate or transmission rate) and (threshold or maximum or most or greatest or highest)    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/07 18:27 |
| S2    | 1077 | ("near" end (cross talk or crosstalk) or NEXT) and (far end (cross talk or crosstalk) or FEXT)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/07 18:28 |
| S3    | 88   | S1 and S2  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/07 18:28 |
| S4    | 15   | (latency or delay) same (noise (phase or signal)) same (bit rate or bitrate or data rate or transfer rate or transmission rate) same (threshold or maximum or most or greatest or highest) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/08 13:21 |
| S5    | 1077 | ("near" end (cross talk or crosstalk) or NEXT) and (far end (cross talk or crosstalk) or FEXT)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/08 13:46 |
| S6    | 3    | S4 and S5  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/02/08 13:46 |
| S7    | 2    | ("6724849").PN.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/02/08 14:00 |
| S8    | 17   | ("5732113"   "6122246"   "6134283"   "6252908"   "6389087").PN. OR ("6724849").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                     | ADJ              | ON      | 2008/02/08 14:04 |

## EAST Search History

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|-----|------|---|--|-----|-----|------------------|
| S9  | 4    | ((("6791995") or ("5886989")).PN.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/08 14:09 |
| S10 | 2389 | (latency or delay) with (exceed\$3 or greater or more or higher) with (predetermined or preset or pre set or established) with (threshold or maximum or ceiling)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/08 14:42 |
| S11 | 1077 | ("near" end (cross talk or crosstalk) or NEXT) and (far end (cross talk or crosstalk) or FEXT)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/08 14:42 |
| S12 | 5    | S10 and S11   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/08 14:42 |
| S13 | 128  | (determin\$3 or discern\$3 or establish\$3 or set\$4 or decid\$3) with (bit rate or data rate or bitrate) with (predetermined or maximum or highest or greatest) near3 (latency or delay)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/08 15:12 |
| S14 | 3    | S13 and S11   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/08 15:22 |
| S15 | 0    | (limit\$3 or constrain\$3 or minimiz\$3 or narrow\$3) near2 (range or available allow\$4) near2 (bit rate or bitrate or data rate) with (maximum or threshold or predetermined or allow\$4) near2 (latency or delay)                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/08 16:23 |
| S16 | 2    | ("6538986").PN.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/08 16:29 |
| S17 | 2    | ("7113549").PN.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/08 16:31 |
| S19 | 0    | (limit\$3 or constrain\$3 or minimiz\$3 or narrow\$3) near2 (range or available or allow\$4) near2 (bit rate or bitrate or data rate) with (maximum or threshold or pre determined or predetermined or allow\$4) near2 (latency or delay) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 10:27 |

## EAST Search History

|     |       |  |  |     |     |                  |
|-----|-------|--|--|-----|-----|------------------|
| S20 | 277   | (limit\$3 or constrain\$3 or minimiz\$3 or narrow\$3) with (bit rate or bitrate or data rate) with (maximum or threshold or pre determined or predetermined or allow\$4) with (latency or delay) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 10:51 |
| S21 | 1078  | ("near" end (cross talk or crosstalk) or NEXT) and (far end (cross talk or crosstalk) or FEXT)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 10:51 |
| S22 | 6     | S20 and S21  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 10:51 |
| S23 | 4664  | (send\$3 or notify\$3 or inform\$3 or communicat\$3 or indicat\$3 or transmit\$4) with (threshold or maximum or highest or allowable or most or greatest) near3 (latency or delay)               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 13:19 |
| S24 | 14572 | (370/235-236,201,203-204,342,320,441,465,468,493).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/11 13:21 |
| S25 | 15475 | (375/130,219,294-295,222,285,358,362,371,373,375-376).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/11 13:23 |
| S26 | 463   | S23 and (S24 or S25)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 13:23 |
| S27 | 6868  | (training or pilot) with (latency or delay)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/11 13:45 |
| S28 | 147   | ((maximum or threshold) near4 (delay or latency)) with ((limit or decrease or lower) near4 (rate or bitrate))  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/15 18:41 |
| S29 | 213   | ((maximum or threshold) near4 (delay or latency)) with ((limit\$4 or decreas\$3 or lower\$3) near4 (rate or bitrate))  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/15 18:42 |
| S30 | 7     | ((("6801570") or ("5566175") or ("6094418") or ("20020097716") or ("20040240390") or ("20050213650") or ("20010024452")).PN.   | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/02/15 18:44 |

## EAST Search History

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|-----|-----|--|--|-----|-----|------------------|
| S31 | 1   | ("6009122").PN.  | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/02/17 19:51 |
| S32 | 272 | (bit allocation table)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/17 20:07 |
| S33 | 141 | (bitrate or rate) with (symbol) with (latency)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/17 22:49 |
| S34 | 39  | S33 and (DMT or discrete multi tone)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/17 22:49 |
| S35 | 266 | (symbol near3 (time or duration)) with (latency or delay or jitter) with (rate or bitrate) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/02/17 22:49 |